

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A silicone rubber graft copolymer with core-shell structure having at least one core comprising:

a) ~~composed of~~ an organosilicon polymer represented by the following formula which has the general formula



where x = from 0 to 99.5 mol%, y = from 0.5 to 100 mol%, z = from 0 to 50 mol%, where R means identical or different alkyl or alkenyl radicals having from 1 to 6 carbon atoms, aryl radicals, or substituted hydrocarbon radicals, and also

at least one shell c) ~~composed of~~ comprising an organic polymer, ~~obtainable prepared~~ by a process which comprises

preparing the organic shell c) by free-radical polymerization at a temperature of not higher than 65°C and

adding ~~the~~ an initiator in at least two portions to the reaction vessel, a further addition taking place at least 2 minutes after the start of the polymerization.

Claim 2 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 1, ~~characterized in that~~ wherein the initiator is added in three, ~~in particular four, and preferably five,~~ portions to the reaction vessel, each addition taking place after at least 2 minutes.

Claim 3 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 1, ~~wherein or 2, characterized in that~~ the initiator is added continuously over a period of at least one hour to the reaction vessel.

Claim 4 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 1, wherein one or more of the preceding claims, characterized in that the monomers are added continuously over a period of at least one hour to the reaction vessel.

Claim 5 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 1, wherein one or more of the preceding claims, characterized in that the monomers and the initiator are added in the form of a mixture to the reaction vessel.

Claim 6 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 1, wherein one or more of the preceding claims, characterized in that the concentration of initiator in the reaction vessel is kept below 0.05% by weight, based on the entire reaction mixture.

Claim 7 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 1, wherein one or more of the preceding claims, characterized in that between the core a) and the shell c) there is another spherical polydialkylsiloxane layer b) present, ~~composed~~ of comprising $(R_2SiO_{2/2})$ units.

Claim 8 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 1, wherein one or more of the preceding claims, characterized in that the particle diameter of the silicone rubber graft copolymers is in the range from 10 to 300 nm.

Claim 9 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 1, wherein one or more of the preceding claims, characterized in that the graft copolymer is composed of comprises

from 0.05 to 95% by weight, based on the total weight of the copolymer, of a core a) ~~composed of~~ comprising an organosilicon polymer,

from 0 to 94.5% by weight, based on the total weight of the copolymer, of a polydialkylsiloxane layer b), and

from 5 to 95% by weight, based on the total weight of the copolymer, of a shell c) ~~composed of~~ comprising organic polymers.

Claim 10 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 1, wherein one or more of the preceding claims, characterized in that the shell c) comprises polymerized (meth)acrylates.

Claim 11 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 10, wherein characterized in that the shell c) has been obtained is prepared via polymerization of a mixture in which methacrylates and acrylates are present.

Claim 12 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 11, wherein characterized in that the shell c) has been obtained is prepared via polymerization of a mixture in which methyl methacrylate and at least one acrylate having from 1 to 8 carbon atoms are present.

Claim 13 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 1, wherein one or more of the preceding claims, characterized in that the vinyl groups

are present in the core a) ~~composed of~~ comprising an organosilicon polymer prior to preparation of the organic shell c).

Claim 14 (Currently Amended): The silicone rubber graft copolymer as claimed in claim 13, wherein ~~characterized in that~~ the content of the vinyl groups in the core a) is in the range from 2 to 3 mol%, based on the weight of the core.

Claim 15 (Currently Amended): A process for preparing silicone rubber graft copolymers as claimed in claim 1, wherein ~~claims 1 to 14, characterized in that~~ a core is prepared from polysiloxane by the emulsion polymerization process, and then organic monomers are grafted onto the resultant polysiloxane by a free-radical route, the initiator being added continuously during the free-radical polymerization.

Claim 16 (Currently Amended): The process as claimed in claim 15, wherein ~~characterized in that~~ use is made of an initiator system in which a reducing agent is present.

Claim 17 (Currently Amended): The process as claimed in claim 15, wherein ~~or 16, characterized in that~~ use is made of butyl hydroperoxide as initiator.

Claim 18 (Currently Amended): An impact-resistant molding composition comprising silicone rubber graft copolymers as claimed in claim 1. ~~one or more of claims 1 to 14.~~

Claim 19 (Currently Amended): The impact-resistant molding composition as claimed in claim 18, ~~characterized in that~~ wherein the molding composition comprises poly(meth)acrylates.

Claim 20 (Currently Amended): The impact-resistant molding composition as claimed in claim 18, wherein ~~or 19, characterized in that~~ the molding composition comprises styrene-acrylonitrile polymers.

Claim 21 (Currently Amended): The impact-resistant molding composition as claimed in claim 20, wherein ~~characterized in that the~~ at least one styrene-acrylonitrile polymer is prepared ~~polymers have been obtained~~ via polymerization of a mixture which is ~~composed of~~ comprises

from 70 to 92% by weight of styrene

from 8 to 30% by weight of acrylonitrile, and

from 0 to 22% by weight of other comonomers, based in each case on the total weight of the monomers to be polymerized.

Claim 22 (Currently Amended): The impact-resistant molding composition as claimed in claim 18, wherein ~~one or more of claims 18 to 21, characterized in that~~ the molding composition comprises at least one acrylate-rubber-based impact modifier.

Claim 23 (Currently Amended): The impact-resistant molding composition as claimed in claim 18, wherein ~~one or more of claims 18 to 22, characterized in that~~ the molding composition ~~is composed of~~ comprises

f1) from 0 to 95% by weight of (meth)acrylate polymers,

- f2) from 0 to 45% by weight of styrene-acrylonitrile polymers,
- f3) from 5 to 60% by weight of silicone rubber graft copolymers as
claimed in ~~one or more of claims 1 to 11~~
- f4) from 0 to 60% by weight of polyacrylate-rubber-based impact
modifiers, based in each case on the weight of components f1) to f4) and conventional
additives.

Claim 24 (Currently Amended): A molding produced from a molding composition as
claimed in claim 18. ~~one or more of claims 18 to 23.~~

Claim 25 (Currently Amended): The impact-resistant molding as claimed in claim
24, wherein ~~characterized in that~~ the molding has a Vicat softening point to ISO 306 (B50) of
at least 85°C, a notched impact strength NIS (Izod 180/1eA, 1.8 MPa) to ISO 180 of at least
3.0 kJ/m² at -20°C and of at least 2.5 kJ/m² at -40°C, a modulus of elasticity to ISO 527-2 of
at least 1500 MPa.